

The *Insulator Series*

18', 21', 24', 27', 30', and 35' width arch greenhouses by



"The Insulator is a versatile and affordable greenhouse for those who want double poly in a gutter connected range. The Insulator can be used as a simple poly structure or outfitted to turn it into a high-tech growing system."



The Concept:

“Double poly gutter connected greenhouses are the backbone of the industry. The Insulator is a strong house meeting most local building codes and has crop hanging capability. It is easy to lay out the interior for good space utility and crop movement (equals labor savings) due to the many widths, lengths and heights available. Any crop that grows well under poly will excel in the Insulator.”



Outfitted with any combination of roll-A-roof, roof vents, energy curtains, opening sides, fan and pad cooling, and heating provides unprecedented control over the environment.

These features can be used in combination to influence a wide variety of conditions in one structure. This allows the grower to respond immediately to market changes rather than having to find a crop to fit his greenhouse.

To the left is an Insulator 30 with roll-A-roof, interior curtain, rolling benches, fan and pad cooling, and roll up walls giving this grower a maximum of options for crop selection.



Insulator used as a screen house to protect citrus trees from the psyllid bug.



Production facility in Guatemala.



Insulator production houses with conveyer system feeding into a head house.

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Insulator with inflatable tropical vent for mild climates.



Insulator “Tomato House” is fully trussed for crop support.

Specs:

Roof & Wind Loads

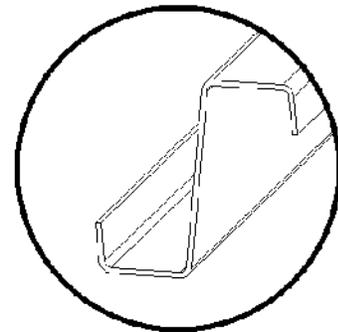
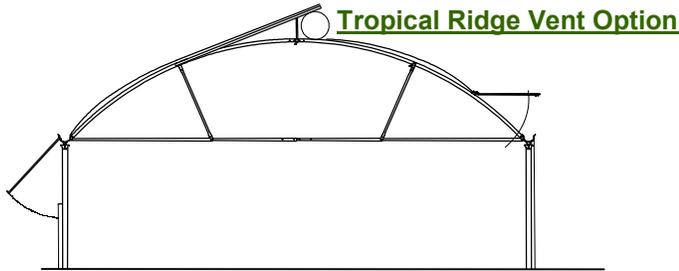
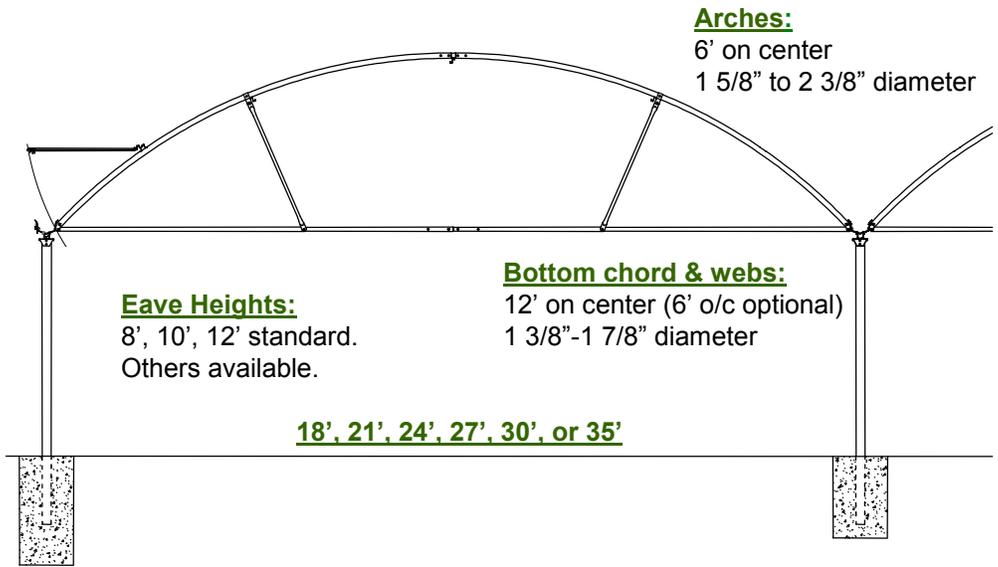
IBC 12/85C or UBC 10/70B standard. You spec it and we will design it.

Insulator-NC is a light weight non-code version.

Columns:

4" square 11 or 13 gage, 12' on center for sidewall.

2 7/8" or 2 3/8" diameter 12' or 6' on center interior.

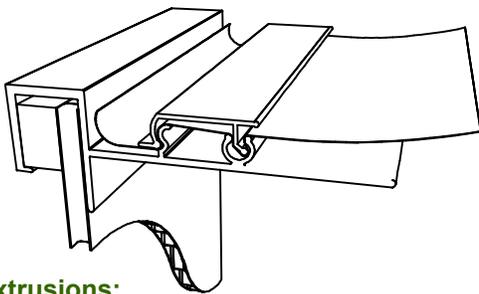


Condensation controlling roof purlins:

Roof purlins catch condensation and channel it to the gables before it drips reducing damage to foliage or planting media.

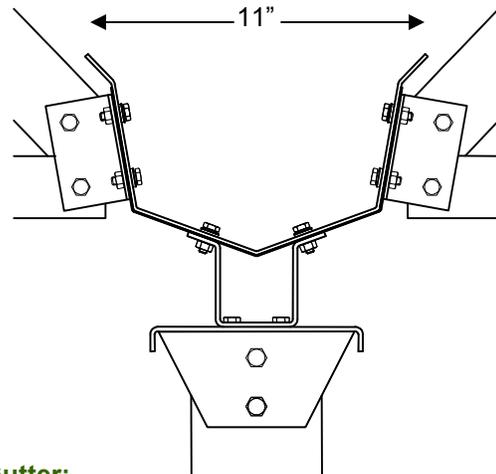
Ventilation Options:

Roof vents, side vents, opening walls and tropical ridge vents provide excellent natural ventilation.



Extrusions:

Agra Lock is standard in gutters to hold roof poly. Gable extrusions connect gable & roof coverings. Big beautiful corner trims finish the walls.



Gutter:

Roomy and strong: Thick 12 gauge or 10 gauge galvanized steel gutters support the roof eliminating the need for 6' on center columns in most cases. (Insulator-NC uses 14 gauge gutter.)



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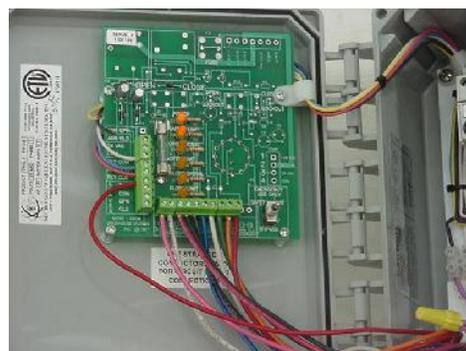
Benching

Expanded Metal
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Curtains

Interior or Exterior

Water Booms Crop Transport



With 35 years building and supplying greenhouses, Agra Tech has formed solid relationships with the most desirable vendors in the industry. You get the advantage of our years of experience and our buying power.

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